SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAWS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2376

PAGE 1 of 1
DATE August 22, 2011
LOGGED BY TOB
OBA JOB No. 11585

ROUTE F.A.P. RTE. 330
DESCRIPTION I-190 Collector-Distribution Roadway Improvements
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. NMR-22
Station 185+76
Offset 56.4 ft Left
Ground Surface Elev. 639.4 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 635.9
Upon Completion 636.4
After n/a Hrs. n/a

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
Black TOPSOIL FILL	637.9		4		
CLAY-brown and black-very stiff (A-6) Fill	635.9		2, 4	3.75P	17
CLAY-brown & gray-medium to very stiff (A-6)			1		106
		–5	2, 2	0.4B	22
			3		
			17, 10	2.0P	23
	630.4		3		
CLAY-gray-very stiff (A-6)	629.4	–10	5, 8	3.25P	19
End of Boring @ –10.0' CME Automatic Hammer					
		–15			
		–20			
		–25			
		–30			
		–35			
		–40			

SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAWS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2376

PAGE 1 of 1
DATE August 25, 2011
LOGGED BY TOB
OBA JOB No. 11585

ROUTE F.A.P. RTE. 330
DESCRIPTION I-190 Collector-Distribution Roadway Improvements
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. NMR-23
Station 188+61
Offset 0.5 ft Right
Ground Surface Elev. 639.3 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After n/a Hrs. n/a

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
3.0" ASPHALT, 9.0" CONCRETE, 4.0" STONE	638.0		5		
Black TOPSOIL Fill	635.8		4, 2	3.25P	15
End of Boring @ –3.5': obstruction CME Automatic Hammer		–5			
		–10			
		–15			
		–20			
		–25			
		–30			
		–35			
		–40			

SOIL BORING LOG

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAWS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2376

PAGE 1 of 1
DATE August 22, 2011
LOGGED BY TOB
OBA JOB No. 11585

ROUTE F.A.P. RTE. 330
DESCRIPTION I-190 Collector-Distribution Roadway Improvements
SECTION 0105-WRS
LOCATION Mannheim Road Reconstruction, I-190 to North of Higgins, Chicago, IL
COUNTY Cook
DRILLING METHOD Straight Flight Auger
HAMMER TYPE CME Automatic

STRUCT. NO. –
Station –
BORING NO. NMR-24
Station 191+75
Offset 3.9 ft Left
Ground Surface Elev. 638.8 ft

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After n/a Hrs. n/a

Description	Elev.	Depth (ft)	Blows (/6")	UCS Qu (tsf)	Moist (%)
3.0" ASPHALT, 8.0" CONCRETE, 5.0" STONE	637.5		3		101
LL=51 PL=31 PI=20			4, 5	2.7B	22
SILTY CLAY LOAM-brown and gray-stiff to very stiff (A-7) Fill			2		
wet		–5	4, 7	1.0P	26
	632.8		3		
CLAY-brown & gray-stiff (A-6)			4, 4	1.0P	21
			2		96
wet	627.8	–10	3, 4	1.7B	26
End of Boring @ –10.0' CME Automatic Hammer					
		–15			
		–20			
		–25			
		–30			
		–35			
		–40			

BOR-8

DELTA ENGINEERING GROUP, LLC	USER NAME = kkhan	DESIGNED	REVISED -
		DRAWN	REVISED -
	PLOT SCALE = $SCALE$	CHECKED	REVISED -
	PLOT DATE = 10/10/2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
MANNHEIM ROAD

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	339

CONTRACT NO. 60P35
ILLINOIS FED. AID PROJECT

FILE NAME = c:\caddlib\pw\kkhan\pwgreat_lakes\dms47849\D160P35-sht-bor-08.dgn